



Joint Capability Technology Demonstration Program

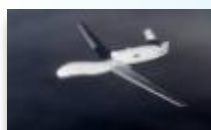
Game Changing JCTD's

“Game Changing” JCTD's The ACTD/JCTD program has not only met warfighting needs, but has enabled “game changers” in the Department of Defense. No better example of this is the Unmanned Aerial Vehicle (UAV) story. Before 1994, DoD cancelled nine UAV programs. By 1 Oct 2008, DoD had fielded over 6,000 UAV, most as a direct result of the ACTD/JCTD Program. Other “game changer” ACTD/JCTDs include:

- **Space-Based Space Surveillance Operations (SBSSO 1998)** which provided space situational awareness, new uses for old systems and increased the dimensions of surveillance.
- **Stand-off Precision Guided Munitions (SOPGM, 2005)** that has led to a family of small low-collateral damage precision weapons.
- **Precision Ground Surveillance System (PGSS, 2010)** that has provided affordable persistent surveillance for force protection applications at forward operating bases in Afghanistan.

As stated by Vice Admiral Ann E. Rondeau, then Deputy Commander US Transportation Command, now President National Defense University, “...without this program, we would not be able to have the military we have today.”

Before 1994, DoD cancelled nine UAV programs. By 1 Oct 2008, DoD had fielded over 6,000 unmanned aerial systems, the following aided by the JCTD program:



High Altitude Endurance UAV ACTD produced Global Hawk

9



Medium Altitude Endurance UAV ACTD produced Predator (109) and Reaper (26)

135



Tactical UAV ACTD led to Shadow

288



Expendable UAV ACTD produced TigerShark

12



Scan Eagle

13



Micro Air Vehicle ACTD

54



Small UAV ACTD produced Raven

4,995